

FIG.1A

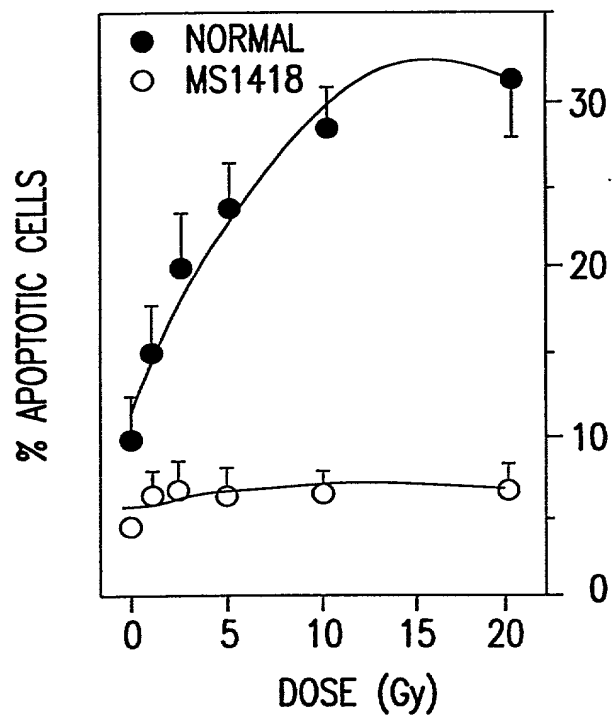


FIG.1B

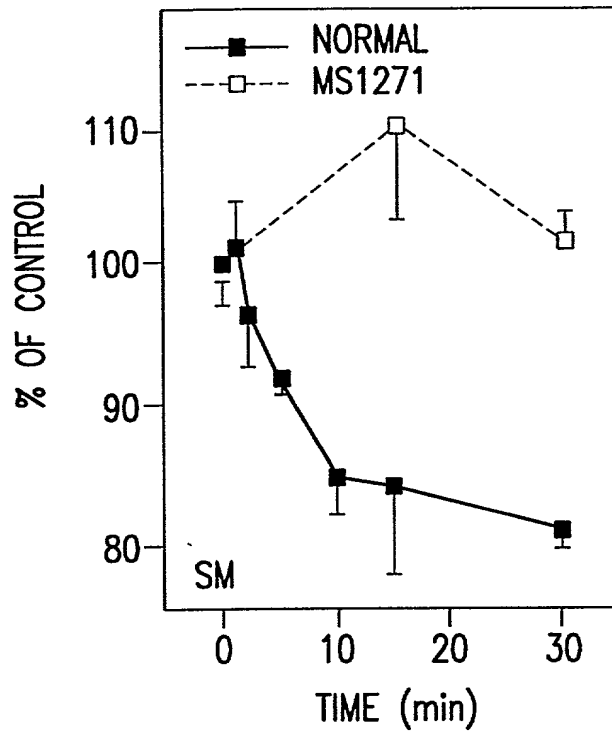


FIG.1C

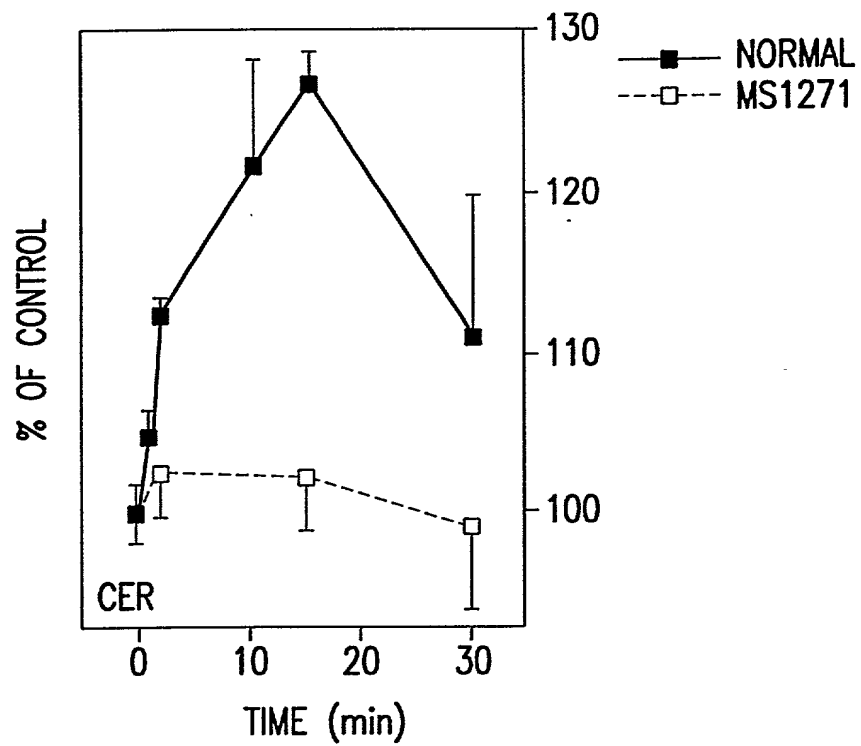


FIG.1D

TRANSDUCED MS1271

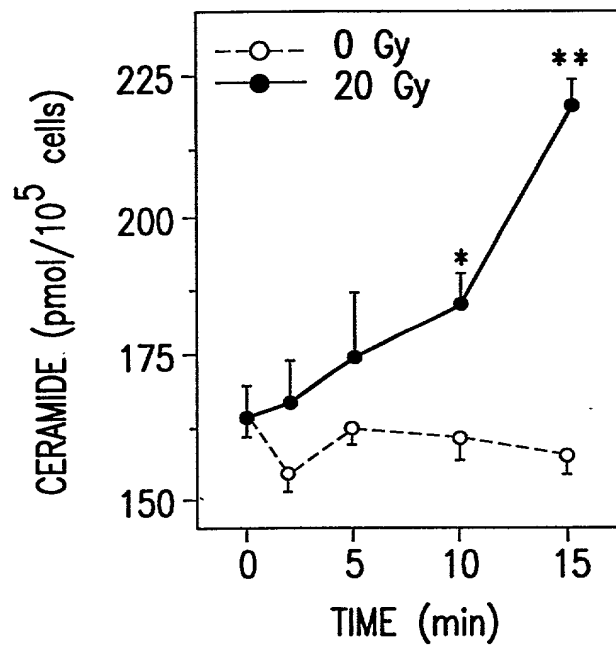


FIG.2A

TRANSDUCED MS1418

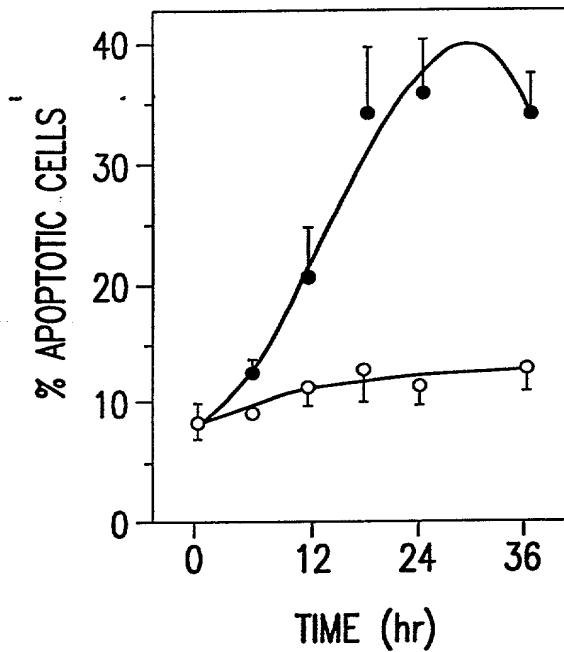


FIG.2B

TRANSDUCED MS1271

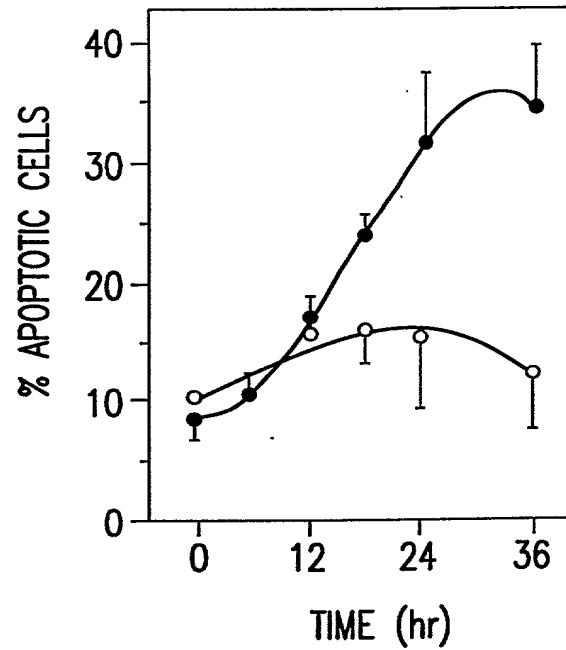


FIG.2C

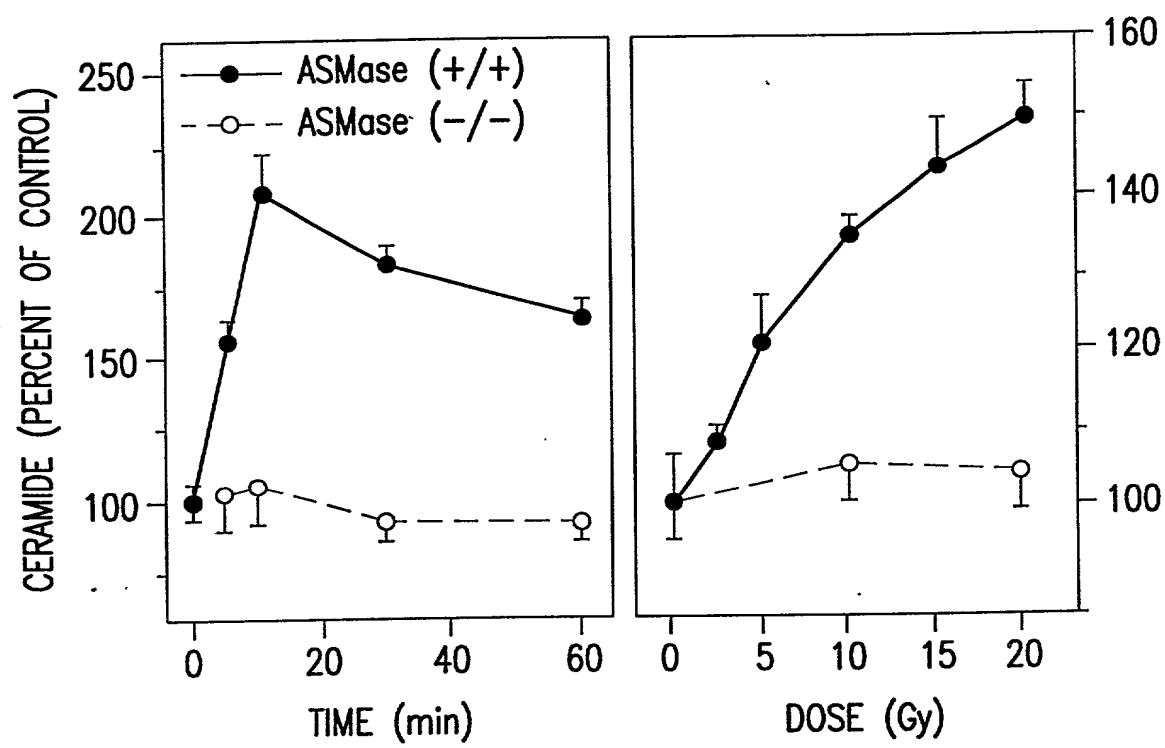


FIG.3A

FIG.3B

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X400

x1000

F
P
O

4

/

C

ASMase +/-

ASMase -/-

FIG.4

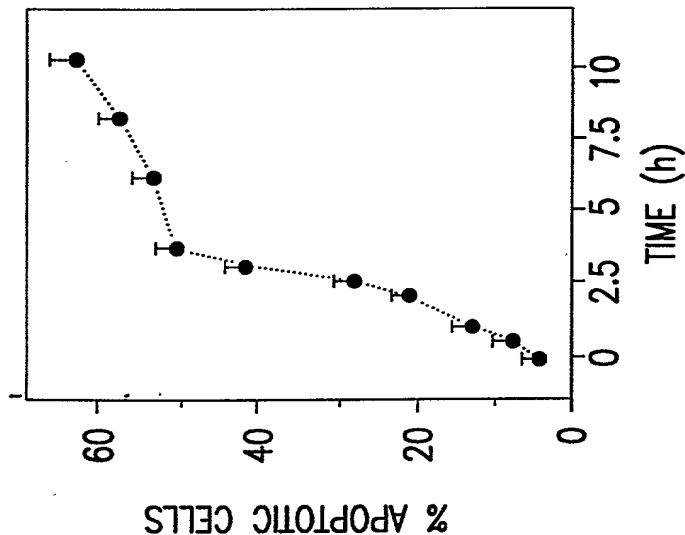


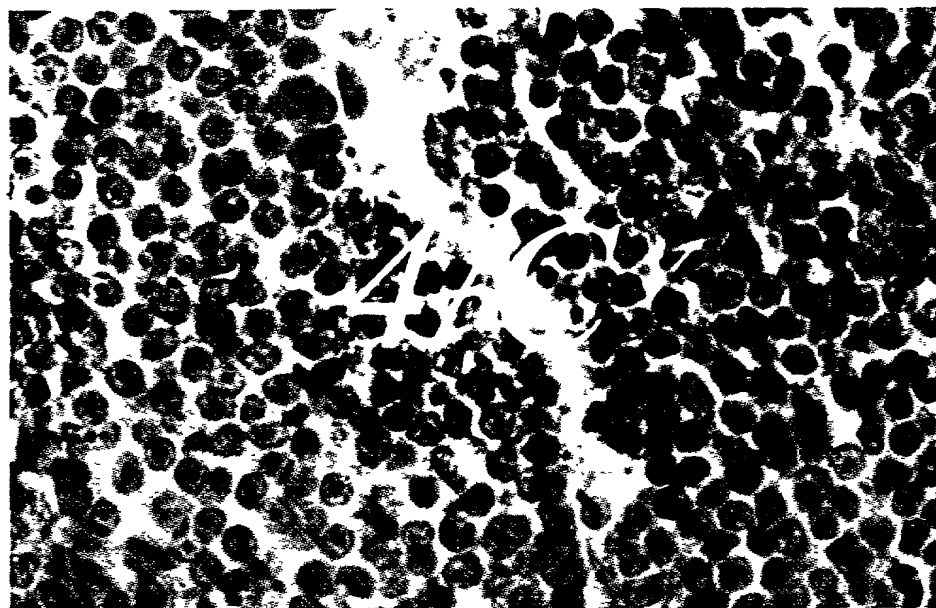
FIG.5A

MICE	TISSUSES	4 Gy	5 Gy	7.5 Gy
129/SV	THYMUS	558 (27.9%)	652 (32.6%)	737 (36.9%)
ASMASE -/-	THYMUS	240 (12.0%)*	346 (17.3%)*	565 (28.2%)*
129/SV	SPLEEN	288 (14.3%)	470 (23.6%)	560 (28.6%)
ASMASE -/-	SPLEEN	185 (9.2%)*	323 (16.1%)*	397 (19.0%)*

*p< 0.001_vs. 129/SV

FIG.5B

ASMase -/-



ASMase +/-

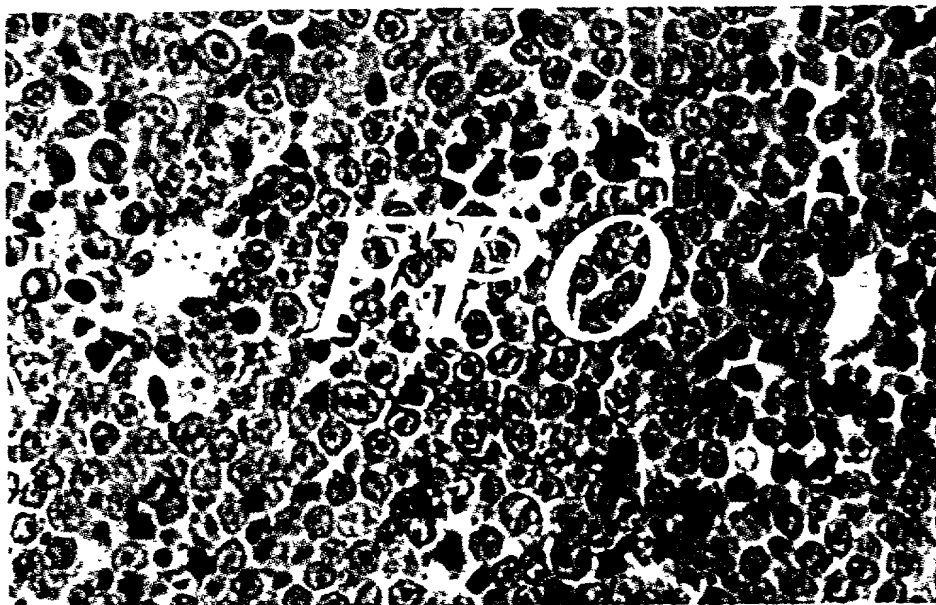
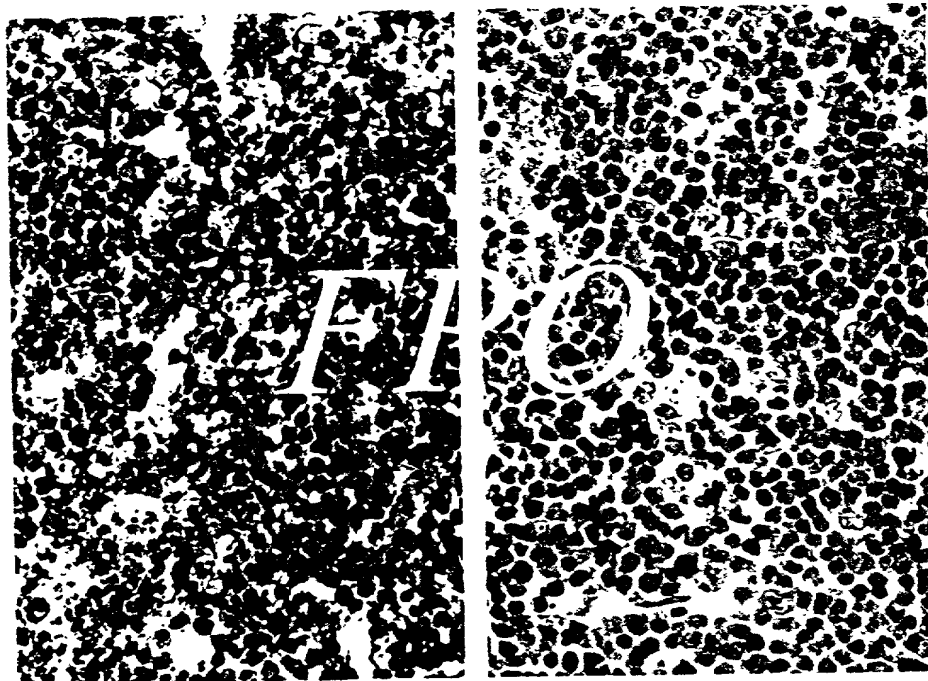


FIG.6

Thymus



Lung



p53 +/+

p53 -/-

FIG.7